

Serial No. 10/634,193

### IN THE SPECIFICATION

Page 1, lines 4-6 have been amended as follows:

The present patent application is a continuation in part of U.S. Patent Application No. 10/104,118 filed on 22 March 2002, now U.S. Patent No. 6,637,755, and entirely incorporated ~~therein~~ herein.

Page 1, lines 13-23 have been amended as follows:

According to U.S. Patent ~~Application~~ No. ~~10/104118~~ 6,637,755, a chuck device includes a socket 10, at least one ball 14, a first ring 17, an elastic element 24, a sleeve 20, a second ring 25 and a spindle 40. The socket 10 defines a chamber 11. The sleeve 20 is mounted on the socket 10. The sleeve 20 is moved relative to the socket 10 from a locking position to a releasing position ~~according to the sleeve 20 presses~~ to press the ball 14 into the chamber 11 or ~~releases~~ to release the ball 14 from the chamber 11. The pusher 30 can move in the chamber 11 ~~[[for]]~~ receiving a miniature tool bit 50. The spindle 40 is securely pressed into ~~[[the]]~~ another chamber 13 of the socket 10. This chuck device therefore needs ~~a lot of~~ several components and assembly of these components is complicated.

Page 1, line 25 through page 2, line 1 have been amended as follows:

The present invention is therefore intended to obviate or at least alleviate the problems encountered in the prior art.

Page 2, lines 7-20 have been amended as follows:

According to the present invention, a chuck device is provided for a tool bit with an ~~annual~~ annular groove. The chuck device includes a socket defining a chamber for receiving the tool bit and at least one aperture communicated with the chamber. A spindle extends from the socket. At least one ball is received in the at least one aperture for entering the annular groove of the tool bit. A first ring is mounted on the socket. A first elastic element is mounted on the socket. A sleeve includes a chamber defined therein so as to form an internal face, an annular groove defined in the internal face and an annular rib formed on the internal face. The sleeve is mounted on the socket so that the elastic element is compressed between the ring and the annular rib, thus biasing the sleeve. A second ring is fit in the sleeve for abutting the first

Serial No. 10/634,193

ring so as to retain the sleeve on the socket. A second elastic element is put in the chamber of the socket for pushing the tool bit.

Page 2, lines 22-24 have been amended as follows:

Other ~~objects~~ objectives, advantages, and novel features of the invention will become more apparent from the following detailed description when taken in conjunction with the attached drawings.

Page 4, lines 12-20 have been amended as follows:

The sleeve 20 includes a first end and a second end, an annular groove 21 defined in an internal surface of the first end thereof and an annular rib 23 formed on the internal surface of the first end thereof. The annular groove 21 and the annular rib 23 are arranged next to each other. A chamber 22 is defined in the second end of the sleeve 20 ~~socket 10~~ for receiving the first end of the socket 10. An elastic element 24 and the sleeve 20 are mounted on the first end of the socket 10. The elastic element 24 is compressed between the C-ring 16 and the annular rib 23 of the sleeve 20. Thus, the sleeve 20 is biased by the elastic element 24.

Page 4, line 22 through page 5, line 6 have been amended as follows:

The elastic element 30 includes a first end 31 and a second end 32. The pitch of the first end 31 is greater than that of the second end 32, i.e., the first end 31 is denser than the second end 32. The elastic element 30 is received in the chamber 11 of the socket 10. The first end 31 of the elastic element 30 of the present invention is equivalent of the pusher 30 of U.S. Patent ~~Application~~ No. ~~10/104118~~ 6,637,755. The second end ~~[[31]]~~ 32 of the elastic element 30 of the present invention is equivalent of the spring 45 of U.S. Patent ~~Application~~ No. ~~10/104118~~ 6,637,755. However, the structure of the elastic element 30 of the present invention is much simpler than ~~that is comprised of~~ the pusher 30 and the spring 45 of U.S. Patent No. 6,637,755.

Page 5, lines 8-12 have been amended as follows:

Referring to figure 3, the sleeve 20 is mounted on the first end of the socket 10. The sleeve 20 is biased by ~~means of~~ the elastic element 24. The balls 13 are pushed into the annular

Serial No. 10/634,193

groove 21 by ~~means of~~ the first end 31 of the elastic element 30. The annular rib 23 abuts the balls 13 so as to avoid the sleeve 20 escaping the chamber 11 of the socket 10.

Page 5, lines 14-25 have been amended as follows:

Referring to Figure 4, a miniature tool bit 40 includes six facets corresponding to that of the chamber 11 of the socket 10 so that the socket 10 can drive the miniature tool bit 40. The miniature tool bit 40 includes an annular groove 41 defined therein. As the miniature tool bit 40 is inserted in the chamber 11 of the socket 10, the spring 30 (particularly its second end 32) is compressed by ~~means of~~ the miniature tool bit 40. The balls 13 are pushed into the annular groove 41 of the miniature tool bit 40 by ~~means of~~ the annular rib 23 so as to prevent the miniature tool bit 40 from escaping the chamber 11 of the socket 10. A ring 25 is fit in the chamber 22 of the sleeve 20. The ring 25 can abut the C-ring 16 in order to retain the sleeve 20 on the socket 10.